6.0   System Test

The system test is performed at power on and when requested from the front panel. In either case, the test will run, and either 'SYSTEM TEST PASSED' or 'SYSTEM TEST FAILED' will be displayed.

After power on, the display will be shown for two seconds before reverting to the standby mode.

If the test was requested from the front panel, the display will remain until the user presses the [CANCEL] key or one minute has passed. At that time, the display will revert to the standby mode.

If any items are found to fail, the diagnostic coded troubles, as well as a system test failed message are written to history and can be displayed or printed as desired. In addition, system or specific equipment troubles are logged and will be flashing in the standby screens.

No message is written to history if the test passes.

The system test will take approximately 8 seconds to complete and consists of the following items:

1   The display will flash between 'all pixels on' and 'all pixels off'. This will last for the duration of the system test.

2   All LEDs will flash on and off for the duration of the system test.

3   The horn will be turned off for five seconds, on for two seconds, and then off for the duration of the test.

4   The real time clock will be checked for a legitimate date and time. If an invalid date or time is found, the date is set to 01-01-90 and/or the time to 00:00:00. The clock will then be checked to make sure the seconds are updating.

5   All 82C55 control registers are checked.

6   The Serial DUART IC is checked for errors. If the test is being run at power-on, a simplified loop back test is performed.

7   Four pre-selected ram locations (2 in each ram IC) are check for read and write capabilities.

8   When the test is finished, the printer will print the date and time and either 'SYSTEM TEST PASSED' or 'SYSTEM TEST FAILED'.

02-07-02   07:20:34
SYSTEM TEST PASSED.

LP_00990